

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: HALO

Report Number: P643066

Luminaire Tested: ML5615LSVWFL759FS1E - 592H - 1500LM - 2700K

Issue Date: 2/17/2023

Test Information

Test Method: LM-79-2019
Report Number: P643066
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2212-866-72)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: ML5615LSVWFL759FS1E - 592H - 1500LM - 2700K
Description: ML56 RR, 75D TIR OPTIC, 5" HAZE TRIM
Light Source: (1) STANDARD SELECTABLE LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1679.3 lumens
Efficiency: N/A
Efficacy: 98.2 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.07
Luminous Opening: Circular (Dia: 0.42' x H: 0')
CIE Type: Direct

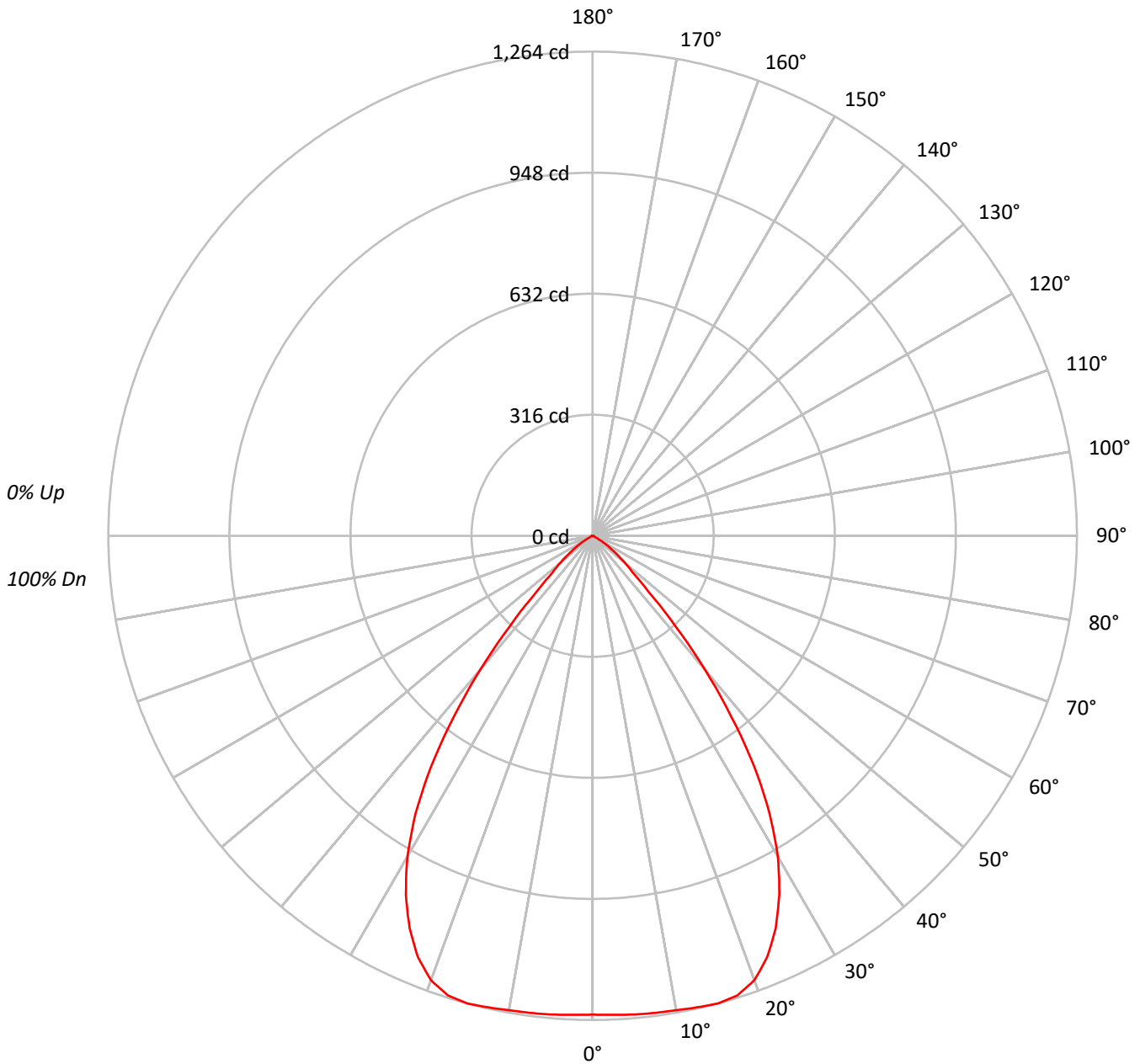
Input Watts (W): 17.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									50									30									10									0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100				100															
1	113	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	93				93															
2	107	101	97	93	105	100	96	92	96	93	90	93	91	88	91	88	87	85				85															
3	101	94	88	84	99	92	87	83	90	85	82	87	84	81	85	82	79	78				78															
4	95	87	81	76	93	85	80	75	83	78	75	81	77	74	79	76	73	71				71															
5	89	80	74	69	88	79	73	69	77	72	68	76	71	68	74	70	67	65				65															
6	84	74	68	63	83	74	67	63	72	67	63	71	66	62	69	65	62	60				60															
7	79	69	63	58	78	69	62	58	67	62	58	66	61	57	65	60	57	55				55															
8	75	65	58	54	74	64	58	53	63	57	53	62	57	53	61	56	53	51				51															
9	71	60	54	50	70	60	54	50	59	53	49	58	53	49	57	52	49	48				48															
10	67	57	50	46	66	56	50	46	55	50	46	55	49	46	54	49	46	44				44															

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	98676
5°	99418
10°	100824
15°	103301
20°	103698
25°	98451
30°	88145
35°	70870
40°	46939
45°	23087
50°	13558
55°	7914
60°	2700
65°	579
70°	369
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 23087 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.8	7.1
10°-20°	356.1	21.2
20°-30°	514.5	30.6
30°-40°	449.1	26.7
40°-50°	180.5	10.7
50°-60°	52.9	3.2
60°-70°	5.7	0.3
70°-80°	0.6	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	990.5	59.0
0°-40°	1439.6	85.7
0°-60°	1673.0	99.6
0°-90°	1679.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1679.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1250	
5°	1255	120
15°	1264	356
25°	1130	514
35°	735	449
45°	207	181
55°	58	53
65°	3	6
75°	0	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1250.0
2.5°	1251.5
5°	1254.6
7.5°	1256.2
10°	1257.8
12.5°	1260.9
15°	1264.0
17.5°	1257.8
20°	1234.4
22.5°	1190.9
25°	1130.3
27.5°	1055.6
30°	967.0
32.5°	859.8
35°	735.4
37.5°	593.9
40°	455.5
42.5°	320.3
45°	206.8
47.5°	141.5
50°	110.4
52.5°	80.8
55°	57.5
57.5°	37.3
60°	17.1
62.5°	9.3
65°	3.1
67.5°	1.6
70°	1.6
72.5°	1.6
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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(END OF REPORT)